

BEST AVAILABLE COPY

IN THE CLAIMS:

The pending claims are set forth below and have been amended and/or cancelled, without prejudice, where noted:

1. (Cancelled)
2. (Currently Amended) The catalyst of claim 1, 13 where the Ziegler-Natta catalyst comprises a transition metal compound of the formula MR_x^+ where M is selected from the group consisting of titanium, chromium, and vanadium, RR^+ is selected from the group consisting of halogen or a hydrocarboxyl, and x is the valence of M.
3. (Currently Amended) The catalyst of claim 1, 13 where in (b) the organoaluminum compound is triethyl aluminum (TEAL).
4. (Cancelled)
5. (Currently Amended) A catalyst system for the polymerization or copolymerization of olefins comprising:
 - (a) a Ziegler-Natta catalyst, where the Ziegler-Natta catalyst comprises a transition metal compound of the formula MR_x^+ where M is selected from the group consisting of titanium, chromium, and vanadium, RR^+ is selected from the group consisting of halogen or a hydrocarboxyl, and x is the valence of M;
 - (b) an organoaluminum compound co-catalyst; and
 - (c) at least one external electron donor comprising n-butylmethyldimethoxysilane (BMDS)

where the Al/Si molar ratio (organoaluminum compound to silane donor) ranges from about 0.5 to about 20 500.

6. (Original) The catalyst of claim 5 where in (b) the organoaluminum compound is triethyl aluminum (TEAL).

BEST AVAILABLE COPY

Claims 7-12. (Cancelled)

Please add the following new claims:

13. (New) A catalyst system for the polymerization or copolymerization of olefins, comprising:

a Ziegler-Natta catalyst;

an organoaluminum compound co-catalyst; and

at least one external electron donor comprising n-butylmethyldimethoxysilane (BMDS), wherein the catalyst system comprises an Al/Si molar ratio (organoaluminum compound to silane donor) of about 0.05 to about 20.

14. (New) A catalyst system for the polymerization or copolymerization of olefins, comprising:

a Ziegler-Natta catalyst;

an organoaluminum compound co-catalyst; and

at least one external electron donor comprising n-butylmethyldimethoxysilane (BMDS), wherein the catalyst system comprises a support material and wherein the support material is selected from the group consisting essentially of magnesium dihalides, magnesium oxyhalides, magnesium oxides, magnesium hydroxides and combinations thereof.